

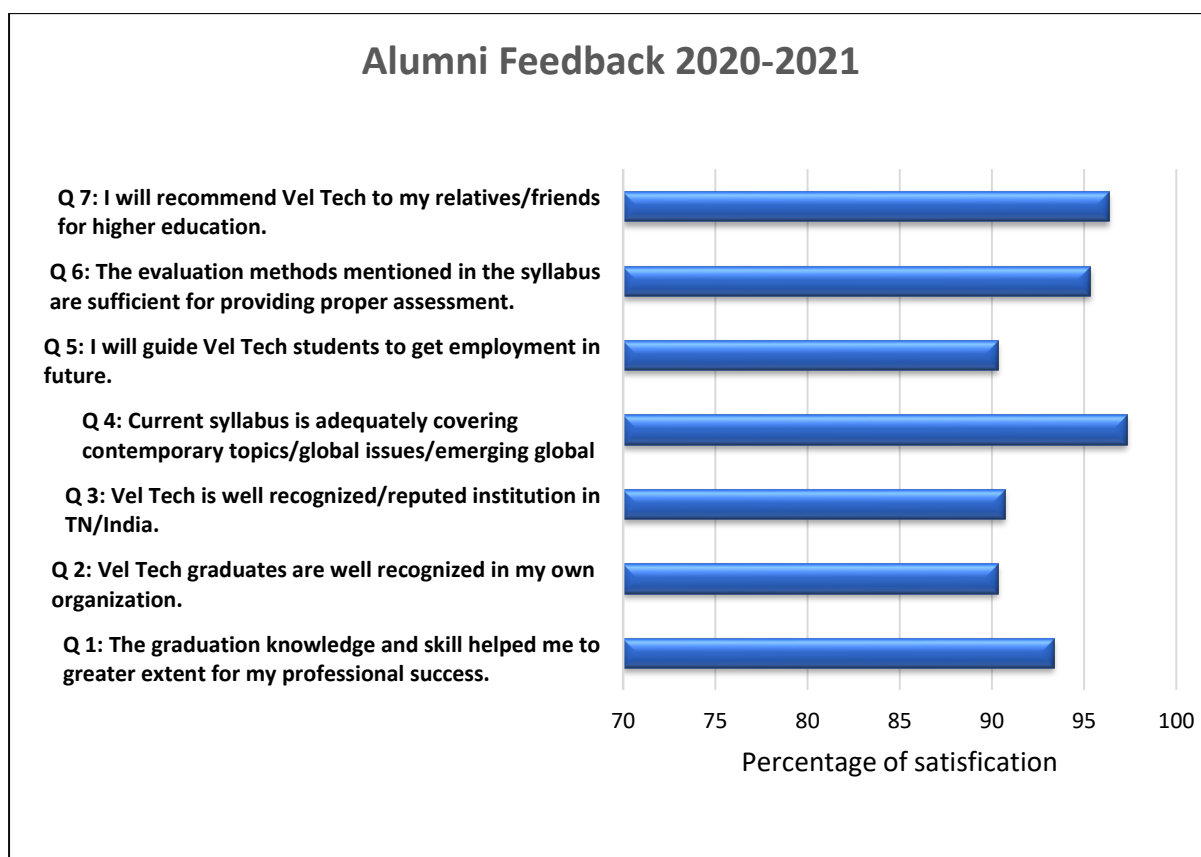
Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology

Department of Automobile Engineering

Alumni Feedback on curriculum

Academic year 2020-21

Alumni appreciated that the curriculum is well mapped with the syllabus of competitive exams such as GATE etc. which will help students to perform better in national and international level exams. They also satisfied with department initiative like frequently evaluate the syllabus and revision was carried out. They also satisfied the curriculum contains the latest trends, new technologies and industry requirements.



Dr. Amala Justus Selvam
Head of the Department
Automobile Engineering

Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)

The sample Alumni feedback form

Alumni Feedback Form						
1.	The graduation knowledge and skill helped me to greater extent for my professional success.	Strongly agree	Agree	Neutral	Disagree	Strongly disagree.
2.	If you have identified any contemporary knowledge skills, required for graduates of our branch/ department, to be imparted through the curriculum, please list them. (Not exceeding 50 words.)					
3.	Vel Tech graduates are well recognized in my own organization.	Strongly agree	Agree	Neutral	Disagree	Strongly disagree.
4.	Public perception about Vel Tech in your known circles as Vel Tech is well recognized/ reputed institution in TN/ India.	Strongly agree	Agree	Neutral	Disagree	Strongly disagree.
5.	Current Syllabus is adequately covering contemporary topics/global issues/emerging global and national trends in management	Strongly agree	Agree	Neutral	Disagree	Strongly disagree.
6.	Are any specific/new/advanced topics to be included to or removed from any of the course(s)/subjects.					
7.	I will help/ guide Vel Tech students to get employment in future.	Strongly agree	Agree	Neutral	Disagree	Strongly disagree.
8.	One important aspect I like most in Vel Tech. (Not exceeding 20 words.)					
9.	The evaluation methods mentioned in the syllabus are sufficient for providing proper assessment	Strongly agree	Agree	Neutral	Disagree	Strongly disagree.
10.	I will recommend Vel Tech to my relatives/ friends for higher education.	Strongly agree	Agree	Neutral	Disagree	Strongly disagree.
Name and signature of Alumni : _____ Designation/Position : _____ Contact number & Email ID : _____						

Action taken from Alumni's feedback

S.No	Course Title	Changes in Course content	Reasons
1	Automotive fuels and lubricants	Measurement of sulphur content is to be added to unit I	Alumni have suggested to add measurement of sulphur content, because he considers its essential to for the students to gain knowledge about the topic.
2	Electric Car - Introduction Electric Car - Business Solar Energy	Based on Alumni feedback, department have offered new courses under Independent Learning VTU R15 Sec. 7.2.7.1 Self Learning Course. New courses contain the application of solar powered vehicle and business in electric car	

The sample Alumni feedback form

Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology

Alumni Feedback Form

1. The graduation knowledge and skill helped me to greater extent for my professional success.	Strongly ☒ agree	Agree ☐	Neutral ☐	Disagree ☐	Strongly disagree.
2. If you have identified any contemporary knowledge skills, required for graduates of our branch/ department, to be imparted through the curriculum, please list them. (Not exceeding 50 words.)					
3. Vel Tech graduates are well recognized in my own organization.	Strongly ☒ agree	Agree ☐	Neutral ☐	Disagree ☐	Strongly disagree.
4. Public perception about Vel Tech in your known circles as Vel Tech is well recognized/ reputed institution in TN/ India.	Strongly ☒ agree	Agree ☐	Neutral ☐	Disagree ☐	Strongly disagree.
5. Current Syllabus is adequately covering contemporary topics/global issues/emerging global and national trends in management	Strongly ☒ agree	Agree ☐	Neutral ☐	Disagree ☐	Strongly disagree.
6. Are any specific/new/advanced topics to be included to or removed from any of the course(s)/subjects.					
7. I will help/ guide Vel Tech students to get employment in future.	Strongly ☒ agree	Agree ☐	Neutral ☐	Disagree ☐	Strongly disagree.
8. One important aspect I like most in VelTech. (Not exceeding 20 words.)	The way of providing good knowledge as per practical sessions was perfect in need of current technologies that I like most in Veltech.				
9. The evaluation methods mentioned in the syllabus are sufficient for providing proper assessment	Strongly agree	☒ Agree	Neutral ☐	Disagree ☐	Strongly disagree.
10. I will recommend Vel Tech to my relatives/ friends for higher education.	Strongly ☒ agree	Agree ☐	Neutral ☐	Disagree ☐	Strongly disagree.

Name and signature of Alumni : Saravanan *Saravanan*
 Designation/Industry : Associate manager
 Contact number & Email ID : 9840028412 / saravanan@tate.com.

**Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and
Technology**

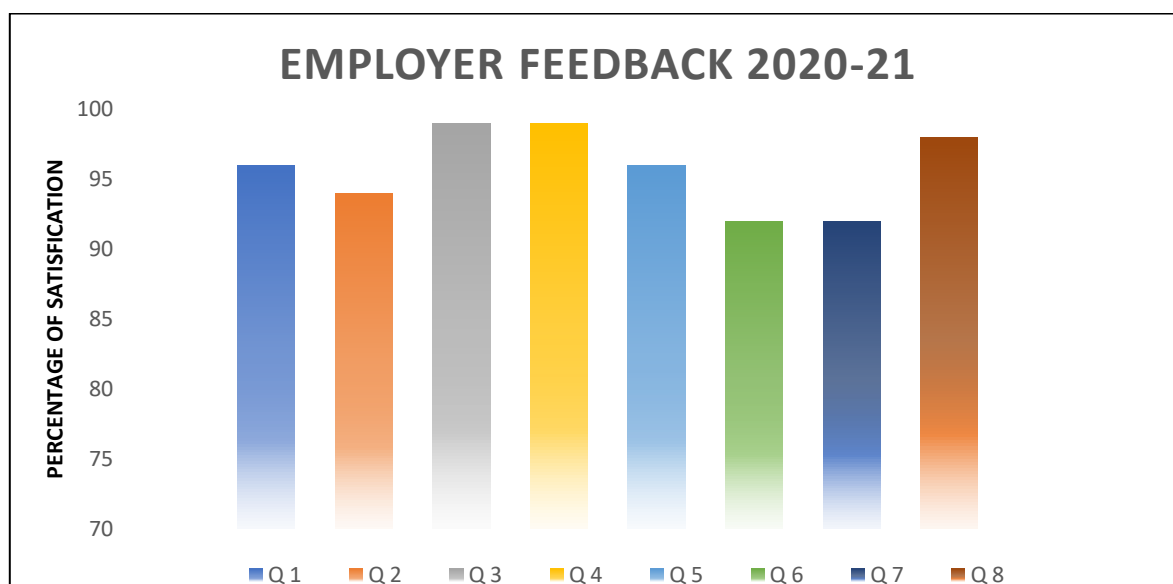
Department of Automobile Engineering

Employer Feedback on curriculum

Academic Year 2020-21

The industry expert and academic expert are happy with the syllabus of B.Tech automobile engineering and they are also satisfied with the course content. They are agreed with that the curriculum which is prescribed by department are useful to some extent for developing entrepreneurial skills. They give suggestion that apart from subject knowledge provide student some additional inputs which were suitable to them to work hands on in the industry. Based on the employer feedback, the department introduced new certificate courses and arranged many industrial visits and guest lectures.

Employer Feedback in year wise



Employer feedback questionnaire

Q 1: The curriculum has been designed to make your industry ready by imparting analytical and reasoning, language and soft skills in addition to technical competencies, as desired by the industry.

Q 2: The curriculum is outcome based and through various courses, the expected outcomes were attained.

Q 3: The electives offered were relevant to the programme and in relation to the technological advancements.

Q 4: Please comment on the adequacy of balance between theory and practice within the program.

Q 5: Curriculum has application-based courses which caters the needs of industry in terms of knowledge, skills, attitude and innovation.

Q 6: The curriculum was effective in enhancing team-working abilities.

Q 7: Current syllabus offers based on needs and meets to the expectations of industry.

Q 8: Curriculum bridges the gap between industry and academic.

Action taken from employer's feedback

S.No	Course Title	Reasons
1	Biobased Products for a Sustainable (Bio)economy Innovation and Creativity Management Project Management Life Cycle From Fossil Resources to Biomass: A Chemistry Perspective Advanced Manufacturing Process Analysis Electric Vehicles and Mobility Steam Power Engineering Manufacturing Automation Economics and Policies in a Biobased Economy Introduction to battery-management systems Fundamentals of Fluid Power Introduction to Sustainability	Based on the employer feedback, the department suggested that the student can enrol the courses under Independent Learning category for B.Tech Automobile Engineering as per VTU R15. Courses offered in Edx.org and MOOC online platform



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The sample employer feedback form

Employer Feedback on Curriculum						
S.No	Statements	Strongly agree	Agree	Neutral	Disagree	Strongly disagree
1	The curriculum has been designed to make you industry ready by imparting analytical and reasoning, language and soft skills in addition to technical competencies, as desired by the industry.					
2	The curriculum is outcome based and through various courses, the expected outcomes were attained					
3	The electives offered were relevant to the programme and in relation to the technological advancements.					
4	Please comment on the adequacy of balance between theory and practice within the program.					
5	Curriculum has application-based courses which caters the needs of industry in terms of knowledge, skills, attitude and innovation					
6	The curriculum was effective in enhancing team-working abilities.					
7	Current syllabus offers based on needs and meets to the expectations of industry					
8	Curriculum bridges the gap between Industry & Academic					
9	If there are specialized equipment, textbooks, software or other resources which you feel are not listed but would strengthen the curriculum of this program, please identify those resources					
10	Are any specific/new/advanced topics to be included to or removed from any of the course? If yes, please mention.....					
11	Any additional comments					

Name of Respondent : _____

Designation/Position : _____

Name of Industry/Institution : _____

Contact number & Email ID : _____



Inthala R&D Institute of Science and Technology

Mechanical and Construction

Department of Automobile Engineering

Feedback on Curriculum

S.No	Statements	Strongly agree	Agree	Neutral	Disagree	Strongly disagree
1	The curriculum has been designed to make you industry ready by imparting analytical and reasoning, language and soft skills in addition to technical competencies, as desired by the industry.	✓				
2	The curriculum is outcome based and through various courses, the expected outcomes were attained.		✓			
3	The electives offered were relevant to the programme and in relation to the technological advancements.	✓				
4	Please comment on the adequacy of balance between theory and practice within the program.	✓				
5	Curriculum has application-based courses which caters the needs of industry in terms of knowledge, skills, attitude and innovation.		✓			
6	The curriculum was effective in enhancing team-working abilities.		✓			
7	Current syllabus offers based on needs and meets to the expectations of industry.	✓				
8	Curriculum bridges the gap between Industry & Academic.	✓				
9	If there are specialized equipment, textbooks, software or other resources which you feel are not listed but would strengthen the curriculum of this program, please identify those resources					
10	Are any specific/new/advanced topics to be included to or removed from any of the course? If yes, please mention.....					
11	Any additional comments					

Name of Respondent : P. Jenilugine

Designation/Position : Engineering

Name of Industry/Institution : ABI Communication

Contact number & Email ID : 7708976315 & jenil.instrument@gmail.com

**Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and
Technology**

Department of Automobile Engineering

Student feedback on curriculum

Academic Year 2020-21

The department of automobile engineering has been regularly evolved the curriculum. Curriculum is innovative and caters to the meet the national and global needs of the automotive industry and society at large. The curriculum design process is formulated in collaboration with leading automotive industry experts like ARAI, Ashok Leyland, BMW and Greaves Cotton ltd as well as academic experts and alumni who ensure significant knowledge and syllabus required to develop for global acceptability of professionals. For curriculum enrichment, the department physically obtained feedback from stakeholders like alumni, industry experts, academic experts, students, parents, student, employers, faculty and module coordinators are considered.

The students are satisfied with the curriculum design and course content which are helpful for them to achieve growth in terms of employability skill. Most of the students were satisfied with the current curriculum and syllabus. The graph has shown that positive feedback given by the students. The content of the course and conduction practical courses has gained the interest of most of the students. The students also were fully satisfied with instruction plans, and lab manuals which are periodically available on the online interface as per curriculum design. They are satisfied with allocated courses to them for teaching, activities conducted in the form of guest lectures and workshops, etc.

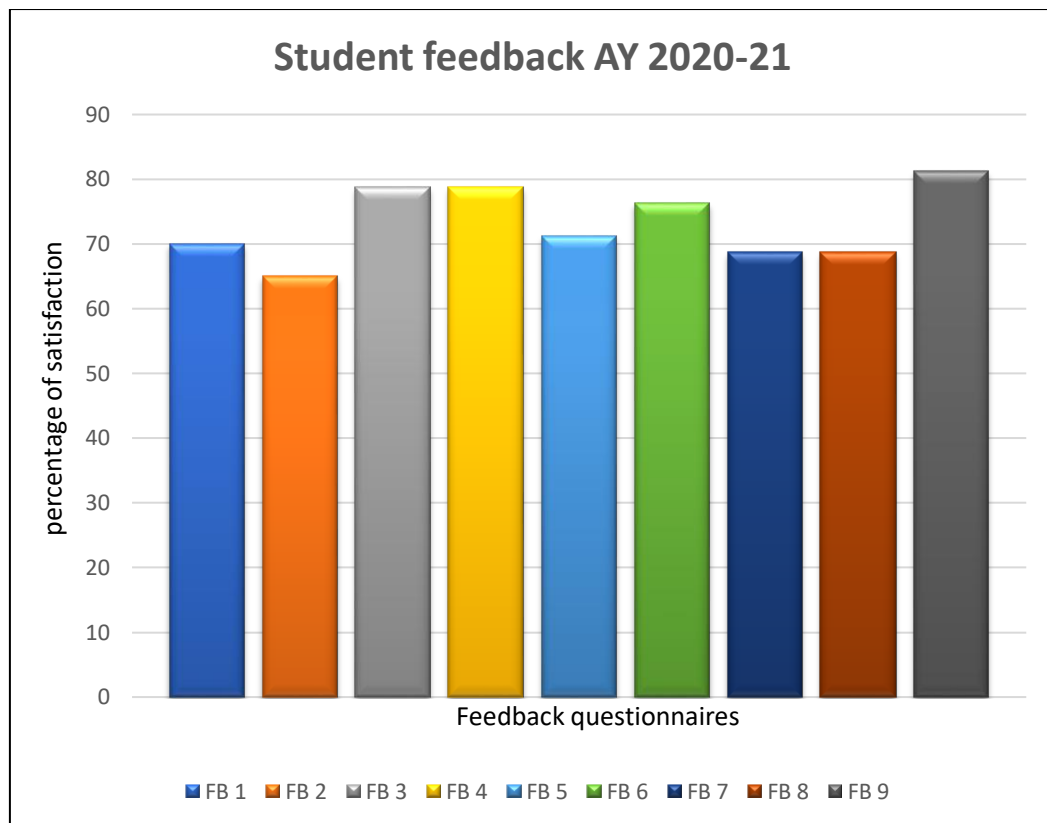


Fig. Student feedback in academic year 2020-21

FB 1: How do you rate the quality of the existing curriculum?

FB 2: Whether the curriculum focuses on program learning outcomes and technical skills required by industry.

FB 3: Which type of course do you prefer?

FB 4: Rate the curriculum in terms of extra learning or self-learning considering the design of the courses.

FB 5: How do you rate the evaluation scheme designed for each of the course?

FB 6: How do you rate the offering of the electives in terms of their relevance to the specialization?

FB 7: How do you rate the relevance of the programme curriculum relevant to your placement or higher studies?

FB 8: Are you happy with the total number of credit requirements of curriculum?

FB 9: Do you agree that CBCS regulation and curriculum help to learn courses of your interest at your own pace?

Dr. Amala Justus Selvam
Head of the Department
Automobile Engineering

Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
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VEL TECH RANGARAJAN Dr SAGUNTHALA R&D INSTITUTE OF SCIENCE & TECHNOLOGY

School of Mechanical and Construction
Department of Automobile Engineering
Students Feedback - Curriculum Design

Academic Year : 2020 - 2021

K. Neeraja
Vtu 15682

1. How do you rate the quality of the existing curriculum?
☒ a) Not Satisfied b) Partly Satisfied c) Satisfied d) Fully Satisfied
2. Whether the curriculum focuses on program learning outcomes and technical skills required by industry?
a) Needs Major Revision b) Needs Moderate Revision ☒ c) Covers to Major Extent
d) Fully covers the current trends
3. Which type of course do you prefer?
a) Theory course b) lab course c) Theory dominated integrated course
☒ d) Practical dominated integrated course
4. Rate the curriculum in terms of extra learning or self-learning considering the design of the courses
a) Excellent ☒ b) Good c) Average d) Poor
5. How do you rate the evaluation scheme designed for each of the course?
a) Excellent b) Good ☒ c) Average d) Poor
6. How do you rate the offering of the electives in terms of their relevance to the specialization?
a) Excellent b) Good ☒ c) Average d) Poor
7. How do you rate the relevance of the programme curriculum relevant to your placement or higher studies?
a) Excellent b) Good ☒ c) Average d) Poor
8. Are you happy with the Total number of credit requirements of curriculum?
a) Not Happy b) Happy to Some Extent ☒ c) Happy d) Very Happy
9. Do you agree that CBCS regulation and curriculum help to learn courses of your interest at your own pace.
a) Strongly Disagree b) Disagree ☒ c) Agree d) Strongly Agree
10. What changes would you recommend to improve curriculum?

Need to apply more practical classes than
theory.

VEL TECH RANGARAJAN Dr SAGUNTHALA R&D INSTITUTE OF SCIENCE & TECHNOLOGY

School of Mechanical and Construction
Department of Automobile Engineering
Students Feedback - Curriculum Design

Academic Year : 2020 - 2021

1. How do you rate the quality of the existing curriculum?
a) Not Satisfied b) Partly Satisfied ☒ c) Satisfied d) Fully Satisfied
2. Whether the curriculum focuses on program learning outcomes and technical skills required by industry?
a) Needs Major Revision ☒ b) Needs Moderate Revision c) Covers to Major Extent
d) Fully covers the current trends
3. Which type of course do you prefer?
a) Theory course b) lab course c) Theory dominated integrated course
☒ d) Practical dominated integrated course
4. Rate the curriculum in terms of extra learning or self-learning considering the design of the courses
a) Excellent ☒ b) Good c) Average d) Poor
5. How do you rate the evaluation scheme designed for each of the course?
a) Excellent ☒ b) Good c) Average d) Poor
6. How do you rate the offering of the electives in terms of their relevance to the specialization?
a) Excellent ☒ b) Good c) Average d) Poor
7. How do you rate the relevance of the programme curriculum relevant to your placement or higher studies?
a) Excellent b) Good ☒ c) Average d) Poor
8. Are you happy with the Total number of credit requirements of curriculum?
a) Not Happy ☒ b) Happy to Some Extent c) Happy d) Very Happy
9. Do you agree that CBCS regulation and curriculum help to learn courses of your interest at your own pace.
a) Strongly Disagree b) Disagree ☒ c) Agree d) Strongly Agree
10. What changes would you recommend to improve curriculum?

Digital Learning is more preferred, practical and
industrial learning experience is required. Knowledge
that is more relevant to the outer world is requested.

G. Snidhar

VTV-13294

Deepak Toppat
Vid.no: 15478

VEL TECH RANGARAJAN Dr SAGUNTHALA R&D INSTITUTE OF SCIENCE & TECHNOLOGY

School of Mechanical and Construction
Department of Automobile Engineering
Students Feedback - Curriculum Design

Academic Year : 2020 – 2021

1. How do you rate the quality of the existing curriculum?
a) Not Satisfied b) Partly Satisfied ☒ c) Satisfied d) Fully Satisfied
2. Whether the curriculum focuses on program learning outcomes and technical skills required by industry?
a) Needs Major Revision b) Needs Moderate Revision c) Covers to Major Extent
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a) Excellent ☒ b) Good c) Average d) Poor
5. How do you rate the evaluation scheme designed for each of the course?
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a) Excellent b) Good ☒ c) Average d) Poor
8. Are you happy with the Total number of credit requirements of curriculum?
a) Not Happy b) Happy to Some Extent ☒ c) Happy d) Very Happy
9. Do you agree that CBCS regulation and curriculum help to learn courses of your interest at your own pace.
a) Strongly Disagree b) Disagree c) Agree ☒ d) Strongly Agree
10. What changes would you recommend to improve curriculum?

It's good; but we need more practical
Individual knowledge rather than theoretical knowledge.

Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology

Department of Automobile Engineering

FACULTY FEEDBACK ON COURSE HANDLED ACADEMIC YEAR (2020-21)

SI NO	CATEGORY	OPTIONS			
1	Are the syllabus contents of the course adequate to attain all the course outcomes	Count	Well adequate	Just adequate	Not adequate
			29	5	
		In %	85	15	
2	Are all the prescribed text and reference books of the course available in our library	Count	Adequate titles and volumes	Adequate titles but less volumes	Inadequate titles and volumes
			26	8	
		In %	76	24	
3	Adequateness of the total number of periods allotted to complete the delivery of course contents	Count	High	Moderate	Low
			25	9	
		In %	74	26	
4	Extent of pre-requisite knowledge of students with respect to learning of this course contents	Count	Excellent	Good	Poor
			28	6	
		In %	82	18	
5	Freedom in accessing appropriate teaching aids for delivering the course	Count	Excellent	Good	Poor
			20	14	
		In %	59	41	
6	Classroom ambiance for students learning	Count	Excellent	Good	Poor
			29	5	
		In %	85	15	
7	Accessibility of e-learning resources for the students	Count	High	Moderate	Low
			30	4	
		In %	88	12	
8	Have you attended any faculty development programme for this course	Count	More than two	One to two	Nil
			30	4	
		In %	88	12	
9	Effectiveness of continuous assessments with respect to measurement of course outcomes	Count	More effective	Less effective	Not effective
			28	6	
		In %	82	18	

The faculty members from the department have made it a practice to conduct module coordinator meetings seven times a semester. These meetings are focused on qualitative improvement in content, pedagogy, learning material, student performance, research, and extension activities for Theory/Practical courses and Other Aspects related to curriculum. During these meetings, the faculty members express their feedback/suggestions on the teaching-learning process; research, and extension activities, and the same would be debated and discussed. Similarly, the feedback is received from the faculty members on Theory courses and Practical Courses. The appropriate suggestions are forward to the board studies meeting for curriculum enrichment. Based on the feedback obtained during the teaching-learning process, a course handle faculty is empowered to revise the contents of the course after obtaining formal approval from Board of management.

Action taken from faculty's feedback

S.No	Course Title	Changes in Course content	Reasons
1	1153AU201 Electric Two- Wheeler Technology	Experts accepted the proposed course	The faculty member proposed course with 6 credits offered under Allied Elective category to B.Tech Students in School of Mechanical and Construction except students of Automobile Engineering as per VTU R15. Highly appreciated for framing a course with 6 credits (Theory + Demo Lab + Project) and 135periods (45 + 30 + 60).
2	1152AU137 Biofuels for IC Engines	Experts accepted the proposed course	The faculty member proposed course with 3 credits offered under programme Elective category to B.Tech Students in Automobile Engineering as per VTU R15.

Sample feedback form

VEL TECH RANGARAJAN Dr.SAGUNTHALA R&D INSTITUTE OF SCIENCE AND TECHNOLOGY

FACULTY FEEDBACK ON COURSE HANDLED

Faculty Name : N. Murugan Natchippan TTS Number: 1997
Department : Automobile Academic Year: 2020-2021
Course Title & course Code : 115190321 / Manufacturing Technology Lab
Name of the Programme : B.Tech Automobile
Semester : Odd

Give your valuable suggestions in the boxes below for further improvement, if your response is third option.

1. Are the syllabus contents of the course adequate to attain all the course outcomes?

Well adequate / Just adequate / Not adequate

Well adequate. It matches with the course outcome
CO1, CO2, CO3, CO4

2. Are all the prescribed text and reference books of the course available in our library?

Adequate titles & volumes/ adequate titles but less volumes/ inadequate titles & volumes

- Lab Manual available in v barn.

3. Adequateness of the total number of periods allotted to complete the delivery of the course contents

High / moderate / low

High. Sufficient hours available to complete all operations.

4. Extent of pre-requisite knowledge of students with respect to learning of this course contents

Excellent / Good / poor

Excellent

5. Freedom in accessing appropriate teaching aids for delivering the course
Excellent / Good / poor

Excellent
All equipments are good working conditions.

6. Classroom ambience for students' learning
Excellent / Good / poor

Excellent
Lab has good ventilation and seating capacity

7. Accessibility of e-learning resources for the students
High / moderate / low

Low

8. Have you attended any faculty development programme for this course?
More than two / one to two / Nil

-

9. Effectiveness of continuous assessments with respect to measurement of course outcomes
More effective / Less effective / Not effective

More effective

10. Your suggestions/comments, if any.


Signature of the Faculty



Vel Tech
Rangarajan Dr. Sagubala
Engineering College
Pondicherry

FACULTY FEEDBACK ON COURSE HANDLED

Faculty Name : Dr. M. Amala Jithu
Name of the Programme : B.Tech. Automobile Engineering
Academic Year : 2019-20
Course Title & Course Code : 1151AUVDS / Mechanics of Machines
TTS Number : 1815
Semester : Winter

Give your valuable suggestions in the boxes below for further improvement, if your response is third option.

1. Are the syllabus contents of the course adequate to attain all the course outcomes?

Well adequate / Just adequate / Not adequate

Well adequate

2. Are all the prescribed text and reference books of the course available in our library?

Adequate Titles & Volumes / Adequate Titles but Less Volumes / Inadequate Titles & Volumes

Yes, all the books and reference books are available. Adequate Title & Volume

3. Adequateness of the total number of periods allotted to complete the delivery of the course contents:

High / Moderate / Low

High, total 60 hours allotted for this course.

4. Extent of pre-requisite knowledge of students with respect to learning of this course contents:

Excellent / Good / poor

Excellent. pre-requisite course is Engineering mechanics offered in III Sem.

5. Freedom in accessing appropriate teaching aids for delivering the course

Excellent / Good / poor

Excellent

6. Classroom ambience for students' learning

Excellent / Good / poor

Excellent

7. Accessibility of e-learning resources for the students

High / Moderate / Low

High, all videos are available in net.

8. Have you attended any faculty development programme for this course?

More than two / One to two / Nil

Nil

9. Effectiveness of continuous assessments with respect to measurement of course outcomes

More effective / Less effective / Not effective

more effective

10. Your suggestions/comments, if any.

Unit II, Some friction topics (dry, simple contact, Rolling and screw friction) may be removed. The above topics are covered in Engineering mechanics course.


Signature of the faculty